

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	415	(IPS (inplane in adj1 plane) adj1 switch\$6) with (anisotrop\$6 birefring\$6 dichroic\$6) with (liquid near3 crystal LC) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/31 21:12
S2	15	(IPS (inplane in adj1 plane) adj1 switch\$6) with (anisotrop\$6 birefring\$6 dichroic\$6) with (liquid near3 crystal LC) same off and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/08/03 13:14
S3	1	"6937308".pn. and IPS same electr\$6	US-PGPUB; USPAT	OR	ON	2008/08/03 13:44
S4	415	(IPS (inplane in adj1 plane) adj1 switch\$6) with (anisotrop\$6 birefring\$6 dichroic\$6) with (liquid near3 crystal LC) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/08/03 13:59
S5	400	S4 not S2	US-POPUB; USPAT	OR	ON	2008/08/03 13:59
S6	3	S4 not S2 and kerr	US-PGPUB; USPAT	OR	ON	2008/08/03 14:35
S7	26	(IPS (inplane in adj1 plane) adj1 switch\$6) with (anisotrop\$6 birefring\$6 dichroic\$6) with (liquid near3 crystal LC) same (refract\$6 with index) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/08/03 14:42
S9	143	(IPS (inplane in adj1 plane) adj1 switch\$6) with (anisotrop\$6 birefring\$6 dichroic\$6 isotropic\$6) with (liquid near3 crystal LC) and "349"/\$.ccls.	USPAT	OR	ON	2008/08/03 21:22
S10	1	"20030052847"	USPAT	OR	ON	2008/08/04 06:09
S11	2	"20030052847" and transparen\$6	US-PGPUB; USPAT	OR	ON	2008/08/04 06:13
S12	2	"20030052847" and transparen\$6 with (electr \$6 "103" "106")	US-PGPUB; USPAT	OR	ON	2008/08/04 06:13

S13	1	"6266109".pn.	US-PGPUB; USPAT	OR	ON	2008/08/04 17:43
S14	1	"20070080370"	US-PGPUB; USPAT	OR	ON	2008/08/04 17:50
S15	1	"20070080370" and separa\$6 with switch\$6	US-PGPUB; USPAT	OR	ON	2008/08/04 17:51
S16	0	"20070080370" and off with on	US-PGPUB; USPAT	OR	ON	2008/08/04 18:11
S17	1	"20070080370" and off	US-PGPUB; USPAT	OR	ON	2008/08/04 18:11
S18	0	"20070080370" and vice	US-PGPUB; USPAT	OR	ON	2008/08/04 18:11
S19	1	"20070080370" and off same switch\$6	US-PGPUB; USPAT	OR	ON	2008/08/04 18:36
S20	0	"20070080370" and off with state same switch\$6	US-PGPUB; USPAT	OR	ON	2008/08/04 18:41
S21	1	"20070080370" and off with state	US-PGPUB; USPAT	OR	ON	2008/08/04 18:41
S22	1	"20070080370" and anisotropic\$6 with isotropic \$6	US-PGPUB; USPAT	OR	ON	2008/08/04 18:43
S23	1	"6266109".pn. and switch \$6 with element	US-PGPUB; USPAT	OR	ON	2008/08/04 19:37
S24	1	"6266109".pn. and switch \$6 with element with (pixel display)	US-PGPUB; USPAT	OR	ON	2008/08/04 19:37
S25	2260	switch\$6 adj1 element near2 (pixel) and "349"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2008/08/05 13:18
S26	471	switch\$6 adj1 element near2 (pixel) and "349"/\$. ccls. and "2006"	US-PGPUB; USPAT	OR	ON	2008/08/05 13:18
S27	0	"6266109".pn. and (transistor TFT)	US-PGPUB; USPAT	OR	ON	2008/08/05 13:22
S28	0	"6266109".pn. and (passiv \$6 activ\$6)	US-PGPUB; USPAT	OR	ON	2008/08/05 14:39
S29	0	"6266109".pn. and (matrix \$6 grid\$6 array\$6)	US-PGPUB; USPAT	OR	ON	2008/08/05 14:43
S30	1	"6266109".pn.	US-PGPUB; USPAT	OR	ON	2008/08/05 14:43
S31	10	"6266109".urpn.	US-PGPUB; USPAT	OR	ON	2008/08/05 14:55
S32	4	"6266109".urpn. and kerr	US-PGPUB; USPAT	OR	ON	2008/08/05 15:00
S33	1	"6266109".pn. and partition \$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:04

S34	1	"6266109".pn. and partition\$6 with electrod\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:05
S35	0	"6266109".pn. and partition\$6 with spacer\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:09
S36	0	"6266109".pn. and partition\$6 same spacer\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:09
S37	1	"6266109".pn. and partition\$6 and spacer\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:09
S38	0	"6266109".pn. and partition\$6 same 1A	US-PGPUB; USPAT	OR	ON	2008/08/05 15:11
S39	1	"6266109".pn. and section\$6 with electrod\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:14
S40	1	"6266109".pn. and section\$6 with element\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:22
S41	1	S39 S40	US-PGPUB; USPAT	OR	ON	2008/08/05 15:25
S42	1	"6266109".pn. and section\$6 with electrod\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:28
S43	1	"6266109".pn. and switch\$6 with element\$6 with imag\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 15:54
S44	1	"6266109".pn. and imag\$6 adj2 element\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 16:10
S45	0	"6266109".pn. and imag\$6 adj2 switch\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 16:14
S46	1	"6266109".pn. and imag\$6 with switch\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 16:15
S47	1	"6266109".pn. and imag\$6 near2 display near2 device	US-PGPUB; USPAT	OR	ON	2008/08/05 16:27
S48	1	"6266109".pn. and imag\$6 near2 display\$6 with switch\$6	US-PGPUB; USPAT	OR	ON	2008/08/05 16:32
S49	26938	"349"/\$.cols. not @ads: "20060614"	US-PGPUB; USPAT	OR	ON	2008/08/06 17:52
S50	81	"349"/\$.cols. not @ads: "20060614" and tripl\$6 near5 pixel	US-PGPUB; USPAT	OR	ON	2008/08/07 12:32
S51	47	"349"/\$.cols. not @ads: "20060614" and tripl\$6 near5 (red green blue)	US-PGPUB; USPAT	OR	ON	2008/08/07 12:33
S52	111	S50 S51	US-PGPUB; USPAT	OR	ON	2008/08/07 12:33
S53	6	"349"/\$.cols. not @ads: "20060614" and tripl\$6 near5 (vertic\$6)	US-PGPUB; USPAT	OR	ON	2008/08/07 14:46

S54	11	"349"/\$.ccls. not @ad>"20060614" and fine adj1 partic\$6 near5 (vertic \$6)	US-PGPUB; USPAT	OR	ON	2008/08/07 14:47
S55	81	"349"/\$.ccls. not @ad>"20060614" and tripl \$6 near5 pixel	US-PGPUB; USPAT	OR	ON	2008/08/07 14:55
S56	47	"349"/\$.ccls. not @ad>"20060614" and tripl \$6 near5 (red green blue)	US-PGPUB; USPAT	OR	ON	2008/08/07 14:55
S57	17	S55 and S56	US-PGPUB; USPAT	OR	ON	2008/08/07 14:55
S58	1	"20070080370" and switch \$6 adj1 element	US-PGPUB; USPAT	OR	ON	2008/08/07 15:01
S59	1	\$3pixel with (plural\$6 multip\$6 two) near1 (TFT \$6 thin adj1 film adj1 transistor) not @ads: "20060614" and (isotrop\$6 anisotrop\$6) with off	US-PGPUB; USPAT	OR	OFF	2008/08/21 14:07
S60	12	\$3pixel with (plural\$6 multip\$6 two) near1 (TFT \$6 thin adj1 film adj1 transistor) not @ads: "20060614" and (isotrop\$6 anisotrop\$6) with off	US-PGPUB; USPAT	OR	ON	2008/08/21 14:08
S61	3668	control near5 "second electrode"	US-PGPUB; USPAT	OR	ON	2008/08/25 12:27
S62	2	control near5 "second electrode" and 349/48. ccls.	US-PGPUB; USPAT	OR	ON	2008/08/25 12:28
S63	1	"10582998"	US-PGPUB; USPAT	OR	ON	2008/08/26 10:34
S64	1	"10582998" and cubic\$6	US-PGPUB; USPAT	OR	ON	2008/08/26 10:36
S65	1	"10582998" and cubic\$6 same smect\$6	US-PGPUB; USPAT	OR	ON	2008/08/26 10:40
S66	1	"10582998" and cubic\$6 same smect\$6 and cubic\$6 with order\$6	US-PGPUB; USPAT	OR	ON	2008/08/26 10:42
S67	1	"10582998" and cubic\$6 same smect\$6 and cubic\$6 with (order\$6 phas\$6)	US-PGPUB; USPAT	OR	ON	2008/08/26 10:44
S68	1	"10582998" and cubic\$6 same smect\$6 and cubic\$6 with (order\$6 phas\$6 symmetr\$6)	US-PGPUB; USPAT	OR	ON	2008/08/26 10:48

S69	1	"10582998" and emuls\$6	US-PGPUB; USPAT	OR	ON	2008/08/26 11:02
S70	1	"10582998" and micel\$6	US-PGPUB; USPAT	OR	ON	2008/08/26 11:06
S71	1	"10582998" and dendrimer \$6	US-PGPUB; USPAT	OR	ON	2008/08/26 11:30
S72	1	"10582998" and (cholesteric blue)	US-PGPUB; USPAT	OR	ON	2008/08/26 11:39
S73	1	"10582998" and (smectic \$6 blue)	US-PGPUB; USPAT	OR	ON	2008/08/26 11:46
S74	1	"10582998" and ("400" with nm)	US-PGPUB; USPAT	OR	ON	2008/08/26 11:54
S75	5	fine adj1 particl\$6 with lyotropic\$6	US-PGPUB; USPAT	OR	ON	2008/08/26 12:07
S76	0	"10582998" and (isotrop\$6 anisotrop\$6) with off	US-PGPUB; USPAT	OR	ON	2008/08/28 10:55
S77	1	"10582998" and absen\$6	US-PGPUB; USPAT	OR	ON	2008/08/28 10:56
S78	1	"10582998" and order\$6 with small\$6	US-PGPUB; USPAT	OR	ON	2008/08/28 11:01
S79	1	"10582998" and (anisotrop \$6) with absen\$6	US-PGPUB; USPAT	OR	ON	2008/08/28 12:47
S80	1	"20070080370"	US-PGPUB; USPAT	OR	ON	2009/01/26 21:46
S81	1	"20070080370" and isotrop \$6 with field	US-PGPUB; USPAT	OR	ON	2009/01/26 21:46
S82	1	"20070080370" and isotrop \$6 with (glob\$6 spher\$6)	US-PGPUB; USPAT	OR	ON	2009/01/26 21:58
S83	12	micelle with (glob\$6 spher \$6) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:06
S84	11	micelle with (glob\$6 spher \$6) same ellip\$6 and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:07
S85	6	micelle with (glob\$6 spher \$6) with ellip\$6 and "349"/ \$.ccls.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:07
S86	11	micelle with (glob\$6 spher \$6) same ellip\$6 and "349"/\$.ccls. not miyache. in.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:08
S87	0	micelle with (glob\$6 spher \$6) same ellip\$6 and "349"/\$.ccls. not miyachi. in.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:08

S88	0	micelle with (glob\$6 spher\$6) same ellip\$6 and "349"/\$.ccls. not miyachi.in. and micelle.clm.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:09
S89	2618	micelle.clm.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:09
S90	13	micelle.clm. and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:10
S91	3	micelle.clm. and "349"/\$.ccls. not miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/01/26 22:10
S92	6	micelle.clm. and "349"/\$.ccls.	USPAT	OR	ON	2009/01/26 22:11
S93	92	kerr adj1 effect and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/01 21:52
S94	2	kerr adj1 effect same (spher\$6 ellip\$6 oval\$6) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/01 22:12
S95	41	kerr adj1 effect same (isotrop\$6 anisotrop\$6) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/01 22:15
S96	34	kerr adj1 effect with (isotrop\$6 anisotrop\$6) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/01 22:15
S97	15	kerr adj1 effect with (isotrop\$6 and anisotrop\$6) and "349"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/01 22:15
S98	21	kerr adj1 effect and "349"/\$.ccls. and smect\$4 adj1 C	US-PGPUB; USPAT	OR	ON	2009/07/01 22:21
S99	12	kerr adj1 effect and "349"/\$.ccls. and smect\$4 adj1 C and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/01 22:22
S100	9	S98 not S99	US-PGPUB; USPAT	OR	ON	2009/07/01 22:23
S101	0	"349"/\$.ccls. and electr\$6 adj1 field with (spher\$6 ellip\$6 oval\$6)	US-PGPUB; USPAT	OR	ON	2009/07/01 22:44
S102	232	"349"/\$.ccls. and electr\$6 adj1 field with (spher\$6 ellip\$6 oval\$6)	US-PGPUB; USPAT	OR	ON	2009/07/01 22:45
S103	19	"349"/\$.ccls. and electr\$6 adj1 field with (spher\$6 ellip\$6 oval\$6) and kerr	US-PGPUB; USPAT	OR	ON	2009/07/01 22:45
S104	17	"349"/\$.ccls. and electr\$6 adj1 field with (spher\$6 ellip\$6 oval\$6) and kerr and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/01 22:45
S105	2	S103 not S104	US-PGPUB; USPAT	OR	ON	2009/07/01 22:46

S106	0	kerr adj1 effect with shap \$6 and "349"/\$.cols. and smect\$4 adj1 C and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/01 22:56
S107	12	kerr adj1 effect and "349"/ \$.cols. and smect\$4 adj1 C and miyachi.in. and shap \$6	US-PGPUB; USPAT	OR	ON	2009/07/01 22:56
S108	1155	refract\$6 adj1 index near3 ellips\$6	US-PGPUB; USPAT	OR	ON	2009/07/01 23:02
S109	367	refract\$6 adj1 index near3 ellips\$6 and "349"/\$.cols.	US-PGPUB; USPAT	OR	ON	2009/07/01 23:03
S110	40	refract\$6 adj1 index near3 ellips\$6 with (electr\$6 field) and "349"/\$.cols.	US-PGPUB; USPAT	OR	ON	2009/07/01 23:04
S111	20	refract\$6 adj1 index near3 ellips\$6 with (electr\$6 field) and "349"/\$.cols. and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/01 23:04
S112	20	S110 not S111	US-PGPUB; USPAT	OR	ON	2009/07/01 23:04
S113	34	refract\$6 adj1 index near3 ellips\$6 with sphер\$6 and "349"/\$.cols.	US-PGPUB; USPAT	OR	ON	2009/07/01 23:19
S114	18	refract\$6 adj1 index near3 ellips\$6 with sphер\$6 and "349"/\$.cols. and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/01 23:20
S115	16	S113 not S114	US-PGPUB; USPAT	OR	ON	2009/07/01 23:20
S116	6	refract\$6 adj1 index near3 ellips\$6 near3 profile	US-PGPUB; USPAT	OR	ON	2009/07/02 09:44
S117	6	refract\$6 adj1 index near3 ellips\$6 near3 profile and "349"/\$.cols.	US-PGPUB; USPAT	OR	ON	2009/07/02 09:45
S118	6	refract\$6 adj1 index near3 ellips\$6 near3 profile and "349"/\$.cols. and refract\$6 adj1 index near3 profile	US-PGPUB; USPAT	OR	ON	2009/07/02 09:47
S119	1	"7307682".pn. and sphер \$6	US-PGPUB; USPAT	OR	ON	2009/07/02 10:06
S120	368	refract\$6 adj1 index near3 ellips\$6 and "349"/\$.cols.	US-PGPUB; USPAT	OR	ON	2009/07/02 10:08
S121	366	refract\$6 adj1 index near3 ellip\$6 and "349"/\$.cols.	US-PGPUB; USPAT	OR	ON	2009/07/02 10:08
S122	36	refract\$6 adj1 index near3 ellip\$6 with sphер\$6 and "349"/\$.cols.	US-PGPUB; USPAT	OR	ON	2009/07/02 10:08

S123	18	refract\$6 adj1 index near3 ellip\$6 with spher\$6 and "349"/\$.ccls. not Miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/02 10:09
S124	2	refract\$6 adj1 index near3 ellip\$6 with spher\$6 and "349"/\$.ccls. not Miyachi.in. and "20060055865" and spher\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 10:13
S125	1	"20070080370" and kerr with effect and rotat\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 15:28
S126	0	"20070080370" and kerr with effect same rotat\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 15:28
S127	0	"20070080370" and kerr with effect same shap\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 15:29
S128	1	"20070080370" and kerr with effect and shap\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 15:29
S129	1	"20070080370" and kerr with effect and shap\$6 same rotat\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 15:29
S130	1	"20070080370" and prefer \$6	US-PGPUB; USPAT	OR	ON	2009/07/02 16:48
S131	0	"20070080370" and prefer \$6 with embod\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 16:49
S132	1	"20070080370" and prefer \$6 with medium	US-PGPUB; USPAT	OR	ON	2009/07/02 16:49
S133	21	(chang\$5 alter\$6) near1 shap\$6 with (liquid adj1 crystal LC) near2 molecule	US-PGPUB; USPAT	OR	ON	2009/07/02 16:53
S134	0	(chang\$5 alter\$6) near1 shap\$6 with (liquid adj1 crystal LC) near2 molecule and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/02 16:54
S135	0	(chang\$5 alter\$6) near1 shap\$6 with (liquid adj1 crystal LC) near2 molecule with (electr\$6 volt\$6) and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/02 16:55
S136	65	"349"/\$.ccls. and (flexoelectr\$6 flex\$6 adj1 electr\$6) adj1 effect\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 18:36
S137	0	"349"/\$.ccls. and (flexoelectr\$6 flex\$6 adj1 electr\$6) adj1 effect\$6 with spher\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 18:41

S138	0	"349"/\$.cols. and (flexoelectr\$6 flex\$6 adj1 electr\$6) adj1 effect\$6 same spher\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 18:41
S139	0	"349"/\$.cols. and (flexoelectr\$6 flex\$6 adj1 electr\$6) adj1 effect\$6 same (spher\$6 glob\$6)	US-PGPUB; USPAT	OR	ON	2009/07/02 18:42
S140	1	"20070080370" and prefer \$6 with (medium material \$6)	US-PGPUB; USPAT	OR	ON	2009/07/02 18:43
S141	0	"20070080370" and prefer \$6 with (medium material \$6) and mateial\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 18:46
S142	1	"20070080370" and prefer \$6 with (medium material \$6) and material\$6	US-PGPUB; USPAT	OR	ON	2009/07/02 18:46
S143	440	"349"/\$.cols. and (liquid adj1 crystal LC) near2 molecule with (spher\$6 ellip\$6 oval\$6 glob\$6)	US-PGPUB; USPAT	OR	ON	2009/07/02 18:49
S144	122	"349"/\$.cols. and (liquid adj1 crystal LC) near2 molecule with (spher\$6 oval\$6 glob\$6)	US-PGPUB; USPAT	OR	ON	2009/07/02 18:50
S145	35	"349"/\$.cols. and (liquid adj1 crystal LC) near2 molecule with (spher\$6 oval\$6 glob\$6) with (field volt\$6)	US-PGPUB; USPAT	OR	ON	2009/07/02 18:50
S146	2	"349"/\$.cols. and (liquid adj1 crystal LC) near2 molecule with (spher\$6 oval\$6 glob\$6) with (field volt\$6) and miyachi.in.	US-PGPUB; USPAT	OR	ON	2009/07/02 18:51

7/9/09 10:31:22 AM

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